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# NOTICE OF ALLOWANCE AND FEE(S) DUE

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1940 DUKE STREET

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03/21/2008

OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. ALEXANDRIA, VA 22314

**EXAMINER** JERABEK, KELLY L ART UNIT PAPER NUMBER

2622

DATE MAILED: 03/21/2008

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/672,434	09/29/2003	Akihiro Koga	243396US2SRD	8505

TITLE OF INVENTION: CAMERA UNIT AND METHOD OF MANUFACTURING THE SAME

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1440	\$300	\$0	\$1740	06/23/2008

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. <u>PROSECUTION ON THE MERITS IS CLOSED</u>. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES STATUTORY PERIOD CANNOT BE EXTENDED. NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current **SMALL ENTITY status:** 

A. If the status is the same, pay the TOTAL FEE(S) DUE shown

B. If the status above is to be removed, check box 5b on Part B -Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

#### PART B - FEE(S) TRANSMITTAL

### Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450

Alexandria, Virginia 22313-1450 (571)-273-2885 or <u>Fax</u>

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where appropriate. All further correspondence including the Patent, advance orders and notification of maintenance fees will be mailed to the current correspondence address as indicated unless corrected below or directed otherwise in Block 1, by (a) specifying a new correspondence address; and/or (b) indicating a separate "FEE ADDRESS" for maintenance fee notifications.

Note: A certificate of mailing can only be used for domestic mailings of the CURRENT CORRESPONDENCE ADDRESS (Note: Use Block 1 for any change of address) Fee(s) Transmittal. This certificate cannot be used for any other accompanying papers. Each additional paper, such as an assignment or formal drawing, must have its own certificate of mailing or transmission. 22850 03/21/2008 Certificate of Mailing or Transmission OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C.I hereby certify that this Fee(s) Transmittal is being deposited with the United States Postal Service with sufficient postage for first class mail in an envelope addressed to the Mail Stop ISSUE FEE address above, or being facsimile transmitted to the USPTO (571) 273-2885, on the date indicated below. 1940 DUKE STREET ALEXANDRIA, VA 22314 (Depositor's name (Signature (Date APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/672.434 09/29/2003 243396US2SRD 8505 Akihiro Koga TITLE OF INVENTION: CAMERA UNIT AND METHOD OF MANUFACTURING THE SAME APPLN. TYPE SMALL ENTITY ISSUE FEE DUE PUBLICATION FEE DUE PREV. PAID ISSUE FEE TOTAL FEE(S) DUE DATE DUE nonprovisional NO \$1440 \$300 \$0 \$1740 06/23/2008 **EXAMINER** ART UNIT CLASS-SUBCLASS JERABEK, KELLY L 2622 348-374000 1. Change of correspondence address or indication of "Fee Address" (37 CFR 1.363). 2. For printing on the patent front page, list (1) the names of up to 3 registered patent attorneys ☐ Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached. or agents OR, alternatively, (2) the name of a single firm (having as a member a ☐ "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required. registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed. 3. ASSIGNEE NAME AND RESIDENCE DATA TO BE PRINTED ON THE PATENT (print or type) PLEASE NOTE: Unless an assignee is identified below, no assignee data will appear on the patent. If an assignee is identified below, the document has been filed for recordation as set forth in 37 CFR 3.11. Completion of this form is NOT a substitute for filing an assignment. (A) NAME OF ASSIGNEE (B) RESIDENCE: (CITY and STATE OR COUNTRY) 4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above) 4a. The following fee(s) are submitted: lssue Fee A check is enclosed. Publication Fee (No small entity discount permitted) Payment by credit card. Form PTO-2038 is attached. The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number \_\_\_\_\_\_ (enclose an extra copy of this fo Advance Order - # of Copies \_ (enclose an extra copy of this form). 5. Change in Entity Status (from status indicated above) a. Applicant claims SMALL ENTITY status. See 37 CFR 1.27. ■ b. Applicant is no longer claiming SMALL ENTITY status. See 37 CFR 1.27(g)(2). NOTE: The Issue Fee and Publication Fee (if required) will not be accepted from anyone other than the applicant; a registered attorney or agent; or the assignee or other party in interest as shown by the records of the United States Patent and Trademark Office. Authorized Signature Date Typed or printed name Registration No. This collection of information is required by 37 CFR 1.311. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, Virginia 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, Virginia 22313-1450.

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APPLICATION NO.	FILING DATE	FILING DATE FIRST NAMED INVENTOR		CONFIRMATION NO.
10/672,434	09/29/2003	Akihiro Koga	243396US2SRD	8505
22850 7590 03/21/2008		EXAMINER		
OBLON, SPIVAK, MCCLELLAND MAIER & NEUSTADT, P.C. 1940 DUKE STREET			JERABEK, KELLY L	
			ART UNIT	PAPER NUMBER
ALEXANDRIA, VA 22314			2622	
			DATE MAILED: 03/21/200	8

## Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 786 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 786 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 or (571)-272-4200.

	Application No.	Applicant(s)	
	10/672,434	KOGA ET AL.	
Notice of Allowability	Examiner	Art Unit	
	KELLY L. JERABEK	2622	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	S (OR REMAINS) CLOSED in the solution of the solution of the subject of the solution is subjected in the solution in the solution in the solution is subjected in the solution in the solutio	s application. If not included ation will be mailed in due course. <b>THI</b> s	
1. $igspace$ This communication is responsive to <u>Request for Continu</u>	ed Examination filed 2/21/2008.		
2. ☑ The allowed claim(s) is/are <u>1-6</u> .			
<ul> <li>3.  Acknowledgment is made of a claim for foreign priority of a)  All b)  Some* c)  None of the:</li> <li>1.  Certified copies of the priority documents have 2.  Certified copies of the priority documents have 3.  Copies of the certified copies of the priority documents documents.</li> </ul>	ve been received. ve been received in Application N	lo	e
International Bureau (PCT Rule 17.2(a)).			
* Certified copies not received:			
Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4.   A SUBSTITUTE OATH OR DECLARATION must be subremark.	MENT of this application. mitted. Note the attached EXAMI	NER'S AMENDMENT or NOTICE OF	
INFORMAL PATENT APPLICATION (PTO-152) which giv	, , <u>-</u>	claration is deficient.	
5. CORRECTED DRAWINGS ( as "replacement sheets") mu			
(a) including changes required by the Notice of Draftspel		PTO-948) attached	
1)  hereto or 2) to Paper No./Mail Date		05	
(b) ☐ including changes required by the attached Examine Paper No./Mail Date			
Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in			
<ol> <li>DEPOSIT OF and/or INFORMATION about the dep- attached Examiner's comment regarding REQUIREMENT</li> </ol>			
Attachment(s) 1. ☐ Notice of References Cited (PTO-892)	5 Notice of Inform	nal Patant Application	
<ol> <li>Induce of References Cited (PTO-692)</li> <li>Induce of Draftperson's Patent Drawing Review (PTO-948)</li> </ol>		nal Patent Application mary (PTO-413)	
3. ☐ Information Disclosure Statements (PTO/SB/08),		il Date	
Paper No./Mail Date  4.  Examiner's Comment Regarding Requirement for Deposit	8. <b>⊠</b> Examiner's Sta	tement of Reasons for Allowance	
of Biological Material	9.		
	Supervisory Patent Ex	/Lin Ye/ caminer, Art Unit 2622	

### **DETAILED ACTION**

#### Examiner's Amendment

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with Surinder Sachar on 3/12/2008.

The application has been amended as follows:

Please cancel claim 7.

#### Election/Restrictions

Claims 1-3 and 6 are allowable. The restriction requirement between species I-V, as set forth in the Office action mailed on 1/25/2007, has been reconsidered in view of the allowability of claims to the elected invention pursuant to MPEP § 821.04(a). The restriction requirement is hereby withdrawn as to any claim that requires all the limitations of an allowable claim. Claims 4-5, directed to non-elected species are no longer withdrawn from consideration because the claim(s) requires all the limitations of an allowable claim.

In view of the above noted withdrawal of the restriction requirement, applicant is advised that if any claim presented in a continuation or divisional application is anticipated by, or includes all the limitations of, a claim that is allowable in the present application, such claim may be subject to provisional statutory and/or nonstatutory double patenting rejections over the claims of the instant application.

Once a restriction requirement is withdrawn, the provisions of 35 U.S.C. 121 are no longer applicable. See *In re Ziegler*, 443 F.2d 1211, 1215, 170 USPQ 129, 131-32 (CCPA 1971). See also MPEP § 804.01.

### Allowable Subject Matter

Claims 1-6 are allowed.

The following is an examiner's statement of reasons for allowance:

Re claims 1-5, the prior art fails to teach or fairly suggest, "A camera unit comprising: a flexible substrate including at least an electrode region and an image pickup device region formed on the same surface thereof; a driving electrode portion disposed on the electrode region and including a plurality of electrodes arranged along a predetermined direction; an image pickup device disposed on the image pickup region on the flexible substrate; stationary unit attaching portions disposed on the flexible substrate at positions surrounding the image pickup device region; a

stationary unit frame which is attached to the stationary unit attaching portions by engaging with engagement sites provided at the stationary unit attaching portions, and extended in the predetermined direction; and movable units which are reciprocatingly driven in the stationary unit frame in the predetermined direction by the driving electrode portion and support a lens respectively, wherein the flexible substrate is bent along a bending portion between the electrode region and the image pickup device region, the electrode region is engaged with an engagement site provided on a side of the stationary unit frame so as to be fixed inwardly thereof, and the image pickup device region is fixed on an end surface of the stationary unit frame toward the movable units".

Re claim 6, the prior art fails to teach or fairly suggest, "A method of manufacturing a camera unit comprising a stationary unit and movable units which are reciprocatingly driven in the stationary unit along a predetermined direction and support a lens respectively, the stationary unit comprising a flexible substrate including at least an electrode region, on which a driving electrode portion is mounted, and an image pickup device region, on which an image pickup device and a stationary unit frame are mounted, on the same surface thereof of the flexible substrate, the method comprising: attaching the stationary unit frame to the image pickup device region by engaging the stationary unit frame with engagement sites disposed on the flexible substrate at positions surrounding the image pickup device region; bending the flexible substrate along a bending portion between the electrode region and the image pickup device region; engaging the electrode region with an engagement site

Art Unit: 2622

provided on a side of the stationary unit frame so as to fix the electrode region inwardly thereof; and fixing the image pickup device region on the end surface of the stationary unit frame toward the movable units".

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

#### Contacts

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Kelly L. Jerabek whose telephone number is **(571) 272-7312**. The examiner can normally be reached on Monday - Friday (8:00 AM - 5:00 PM).

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Lin Ye can be reached at (571) 272-7372. The fax phone number for submitting all Official communications is (571) 273-7300. The fax phone number for submitting informal communications such as drafts, proposed amendments, etc., may be faxed directly to the Examiner at (571) 273-7312.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR.

Application/Control Number: 10/672,434 Page 6

Art Unit: 2622

Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

/Kelly L. Jerabek/

Examiner, Art Unit 2622

/Lin Ye/

Supervisory Patent Examiner, Art Unit 2622